



US005806605A

United States Patent [19]**Keigley****Patent Number:** 5,806,605**Date of Patent:** Sep. 15, 1998**[54] IMPLEMENT FOR PREPARING SEEDBEDS****[75] Inventor:** Kevin V. Keigley, Osceola, Ind.**[73] Assignee:** Hydroseed Manufacturing, Incorporated, Granger, Ind.**[21] Appl. No.:** 740,374**[22] Filed:** Oct. 29, 1996**[51] Int. Cl.:** E02F 3/76**[52] U.S. Cl.:** 172/145; 172/197; 172/198; 172/200; 172/445.1; 172/449; 172/683; 172/684.5**[58] Field of Search:** 172/445.1, 449, 172/450, 683, 684.5, 200, 199, 196, 198, 197, 145**[56] References Cited****U.S. PATENT DOCUMENTS**

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An implement for preparing seedbeds and lawns includes a main frame member upon which are mounted scarifying teeth to penetrate the soil and tines which work the soil and prepare the final grade after the soil has been scarified. A subframe is pivotally mounted on the main frame and carries a grading blade ahead of the scarifying teeth when the implement is move in the forward direction. The blade is allowed to float relative to the main frame on the subframe to thereby knock down vegetation, remove rocks and lightly grade the soil. The subframe can be moved relative the main frame to a position lifting the scarifying teeth and the tines off of the ground and allowing the blade to provide a deeper grading of the soil or the subframe may be moved to a position lifting the blade off of the soil so that the soil is contacted only by the scarifying teeth and the tines. The implement can also be used to transfer soil to fill in low places, as the main frame member upon which the tines and scarifying teeth are mounted have a pair of intersecting lips which with the tines define a scoop that is capable of picking up limited amounts of soil and transferring the soil to low places when the implement is moved in the backward direction.

15 Claims, 7 Drawing Sheets